

SECURE PROGRAM EXECUTION DEPENDING ON
PREDICTABLE ERROR CORRECTION

ABSTRACT OF THE DISCLOSURE

A CPU is provided with an ability to modify its operation, with respect to error correction, as a programmable feature. An error correction scheme is selected to be performed by the error correcting circuit. The compiled program may have intentionally introduced errors which are predictably corrected by the selected error correction scheme.

- 5 When a program is compiled, the program is modified by the intentional insertion of errors which would result from the execution of the program. By providing error correction schema selected during program compilation, errors can be inserted in the program code, but are handled in a predictable manner by the error correction.